

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13AH		Page 1 of 6
Title: Commodity Specific Requirements for Cucumbers		
Revision: Original	Replaces: N/A	Effective: 10/01/02

1. Purpose:

To provide a listing of PDP identified required compounds for cucumbers.

2. Scope:

This standard operating procedure shall be followed by all laboratories analyzing cucumbers for PDP. This SOP shall be used in conjunction with QC-13 which identifies commodity groupings for selected/single screens, validation purposes, and approved process controls.

3. Outline of Procedure:

- 5.1 Compounds Required for Cucumber Multi Residue Screens
- 5.2 Marker Pesticides for Cucumber Multi Residue Screens

4. References:

- PDP Program Plan July – December 2002
- USDA, AMS-EPA PDP Planning Meeting, January 30, 2002
- SOP PDP-QC-13, “Required Compounds, Commodity Groups, and Marker Pesticides”, revision 8, October 1, 2001
- Pesticide Chemical News Guide

5. Specific Procedures:

This standard operating procedure (SOP) represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

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5.1 Compounds Required for Cucumber Multi Residue Screens

Cucumber Compound	Reported As	PestCode
3-Hydroxycarbofuran		512
Azinphos methyl		042
Bifenthrin		930
Buprofezin		ADA
Captan		011
Carbaryl		102
Carbofuran		180
Chlorothalonil		164
Chlorpyrifos		160
Clomazone		719
DCPA		134
DDE	DDE o,p'	911
	And/or DDE p,p'	910
	Or DDE (total combined)	300
Diazinon		024
Diazinon O-analog		395
Dichlorvos (DDVP)		338
Dicloran		144
Dicofol	Dicofol op'	253
	And/or Dicofol p'p	254
	Or Dicofol (total combined)	047
Dieldrin		028
Dimethomorph		ABE
Endosulfan I		900
Endosulfan II		901
Endosulfan sulfate		902
Ethalfuralin		721
Ethoprop		175
Fenpropathrin		808
Fenvalerate/Esfenvalerate	Fenvalerate	546
	And Esfenvalerate	714
	Or Fenvalerate (total combined)	546

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Cucumber Compound	Reported As	PestCode
Fludioxonil		B23
Fluridone		736
Folpet		126
Heptachlor epoxide		143
Lindane		050
Malathion		052
Malathion O-analog		208
Metalaxyl		607
Methamidophos		170
Methomyl		159
Methoxychlor	Methoxychlor p,p'	275
	Or Methoxychlor (total combined)	055
Mevinphos	Mevinphos E	579
	And Mevinphos Z	578
	Or Mevinphos (total combined)	069
Myclobutanil		679
Napropamide		594
o-Phenylphenol		083
Oxadixyl		A46
Oxamyl		537
Oxydemeton methyl sulfone		245
Parathion		065
Parathion O-analog		370
Permethrin	Permethrin cis	222
	And Permethrin trans	223
	Or Permethrin (total combined)	539
Tetradifon		108
Triadimefon		608
Trifluralin		151
Vinclozolin		529

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5.2 Marker Pesticides for Cucumber Multi Residue Screens

Azinphos methyl	Carbaryl	DDE p,p'
Diazinon	Dicloran	Endosulfan I
Methamidophos	Methomyl	Permethrin

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09/17/02

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Original

September 2002

Monitoring Programs Office

- Established multi-residue screening requirements for cucumbers, with known problem compounds removed (cyromazine, pymetrozine)